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**(54) MEMORY REWRITING  
SYSTEM FOR ELECTRONIC  
DEVICE**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To surely rewrite a starting program (boot soft) for receiving rewrite control soft for rewriting contents stored in a ROM and starting the execution of the soft.

**SOLUTION:** The system stores rewrite control soft inputted from an external device in a RAM by executing boot soft stored in a specific area (boot flash area) in a flash ROM (hereafter referred to as a ROM) after releasing the reset of a CPU in an electronic device and starts the execution of the soft, so that the contents in a specific area of the ROM are rewritten to a new program inputted from the external device by the execution of the rewrite control soft. The rewrite control soft for rewriting the boot soft copies the boot

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soft of the specific area to another area (main flash area), changes a vector address indicating an execution program after the release of reset to the leading address of the other area (S405 to S425), rewrites the contents in the specific area to the new boot soft, and returns the vector address to the leading address of the specific area (S430 to S455).

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